

From: [Lyssy, Gregory](#)
To: [Ruminski, Andrea K CIV USARMY CESP \(US\)](#); [Koger, Cory S CIV USARMY CESP \(US\)](#)
Cc: [McAteer, Mike](#); [R6HarveyInfo](#)
Subject: FW: OW Management Report for Hurricanes Harvey and Irma for 9/8/2017
Date: Friday, September 8, 2017 6:43:15 PM
Attachments: [OW Management Report_Harvey_09082017.docx](#)
[ATT00001.htm](#)

Today's report.

Greg J. Lyssy

U.S. EPA
Senior Project Manager
RCRA Corrective Action (6MM-RC)
1445 Ross Avenue
Dallas, TX 75202
Phone - 214.665.8317
Cell Phone - 214.543.4415
lyssy.gregory@epa.gov

From: Honker, William
Sent: Friday, September 08, 2017 6:40 PM
To: Lyssy, Gregory <lyssy.gregory@epa.gov>; McAteer, Mike <mcateer.mike@epa.gov>
Subject: Fwd: OW Management Report for Hurricanes Harvey and Irma for 9/8/2017

Bill Honker
Director, Water Division
EPA Region 6

Begin forwarded message:

From: "EOC Water" <EOC_Water@epa.gov>
To: "Apanian, David M." <Apanian.David@epa.gov>, "Bissonette, Eric" <Bissonette.Eric@epa.gov>, "Brown, Jamesr" <brown.jamesr@epa.gov>, "Carroll, Craig" <Carroll.Craig@epa.gov>, "Casillas, Laura" <Casillas.Laura@epa.gov>, "Cooper, Tiffany" <Cooper.Tiffany@epa.gov>, "Dwyer, Stacey" <Dwyer.Stacey@epa.gov>, "EOC Situation Unit" <EOC_Situation_Unit@epa.gov>, "Eoc, Epahq" <Eoc.Epahq@epa.gov>, "FEMA-NRCC-ohs@fema.dhs.gov" <FEMA-NRCC-ohs@fema.dhs.gov>, "fema-nrcc-ohul@fema.dhs.gov" <fema-nrcc-ohul@fema.dhs.gov>, "Fencil, Jeffrey" <Fencil.Jeffrey@epa.gov>, "Forsgren, Lee" <Forsgren.Lee@epa.gov>, "Foster, Althea" <Foster.Althea@epa.gov>, "Goldbloom-Helzner, David" <Goldbloom-Helzner.David@epa.gov>, "Gray, David" <gray.david@epa.gov>, "Greenwalt, Sarah" <greenwalt.sarah@epa.gov>, "Honker, William" <honker.william@epa.gov>, "Hosch, Claudia" <hosch.claudia@epa.gov>, "Ison, Dawn" <ison.dawn@epa.gov>, "Liguori, Alex" <liguori.alex@epa.gov>, "McCasland, Mark" <McCasland.Mark@epa.gov>, "Ngo, Kim"

<Ngo.Kim@epa.gov>, "Oh, Peter" <Oh.Peter@epa.gov>, "OW SES Managers and Supervisors" <OW_SES_Managers_and_Supervisors@epa.gov>, "Pickard, Brian" <Pickard.Brian@epa.gov>, "Restivo, Angela" <Restivo.Angela@epa.gov>, "Rodriguez, Jose" <Rodriguez.Jose@epa.gov>, "Senft, Lea" <senft.lea@epa.gov>, "Smalley, Bryant" <smalley.bryant@epa.gov>, "Tiago, Joseph" <Tiago.Joseph@epa.gov>, "Tingley, Kevin" <Tingley.Kevin@epa.gov>, "Tricas, Marisa" <tricas.marisa@epa.gov>, "Waite, Andrew" <Waite.Andrew@epa.gov>, "Watson, Jane" <watson.jane@epa.gov>, "Young, Dwane" <Young.Dwane@epa.gov>
Subject: OW Management Report for Hurricanes Harvey and Irma for 9/8/2017

Attached and pasted below is the OW Management Report for Hurricanes Harvey and Irma for 9/8/2017.

OW Management Report for

Hurricane Harvey and Hurricane Irma

September 8, 2017

Hurricane Harvey Update

Background:

Response and recovery efforts continue throughout the Gulf Coast of TX and LA. Rivers continue to recede in the region, however major to record levels will persist through late this week or early next week for several areas, including Houston and Beaumont.

Federal Activities:

FEMA Region VI Regional Response Coordination Center remains activated at Level I (24/7 Operations) and has assumed primary operations management for this incident.

State Activities:

The TX SEOC remains at full activation, while the LA SEOC remains at Level III (24 hours).

EPA HQ:

Water Desk Staffing for the coming week is as follows:

Thursday 9/7: Kevin Tingley

Friday 9/8: David Goldbloom-Helzner
Saturday 9/9: Kevin Tingley
Sunday 9/10: Brian Pickard
Monday 9/11: Kevin Tingley
Tuesday 9/12: David Goldbloom-Helzner
Wednesday 9/13: Jeff Fencil
Thursday 9/14: David Goldbloom-Helzner

EPA Activities: Region 6:

Drinking Water / Wastewater Assessments

EPA is providing support to TCEQ for drinking water and wastewater system assessments. At noon on September 8, all staff at the TCEQ Austin phone bank will be demobilized. Most will go to Dallas, one to the state EOC and another to the Port Arthur/Beaumont Branch. In addition, drinking water and wastewater assessment teams are currently established in Houston. Current response activities consist of 14 EPA personnel conducting drinking water and wastewater assessments in the Harris County area.

The table below shows the status of DW systems and the DW/WW assessments as of September 7, 2017.

Drinking Water and Waste Water Assessments (September 7, 2017)		
Assessment Types	Daily Assessments	Total Assessments
On-Site DW Assessments	80	256
On-Site WW Assessments	47	181
Phone DW Assessments	253	4852
Phone WW Assessments	111	2908

Below are two maps that show the status of drinking water and wastewater facilities in the affected areas.

Hurricane Irma Update

Background:

At 1100 eastern time on September 8, Hurricane Irma was located 405 miles southeast of Miami, Florida with maximum sustained winds of 150 mph. Irma is

moving toward the west-northwest near 14 mph, and this motion is expected to continue for the next day or so with a decrease in forward speed. Irma has now been downgraded to a Category 4 hurricane from a category 5 and will continue to bring wind, storm surge, and rainfall hazards to the Turks and Caicos Islands and the Bahamas through September 9th. Severe hurricane conditions are expected over portions of the Florida peninsula and the Florida Keys beginning the evening of September 9th.

Local/State Activities:

Puerto Rico and U.S. Virgin Islands

The PR Emergency Operations Center and USVI Territorial Emergency Management Agency are at Full Activation. The respective Governors have activated the PR National Guard and USVI National Guard.

Florida

As of September 7, the FL State EOC is activated to Level II (Partial Activation). More current status information is not available.

Federal Activities:

The FEMA National Response Coordination Center (NRCC) remains at Level I (24/7 operations, Full ESFs) in response to Hurricanes HARVEY and IRMA. The FEMA Region II Regional Response Coordination Center (RRCC) is at Full Activation. The FEMA Region 4 RRCC was activated to Level 2 (Partial Activation) on September 5 and transitioned to Full Activation on September 7.

EPA Activities: Region 2:

Two OSC's are in Puerto Rico and one was in the field yesterday. Additional employees expected to deploy from Edison, NJ today and over the weekend on commercial flights into San Juan. Initial EPA assessment teams are ready to deploy to the USVI once a request for assistance and the Mission Assignment is available. Teams will focus on assessing any immediate threats from hazardous substance releases and oil spills, orphan hazardous containers, house hold hazardous waste, contaminated debris, and drinking water/wastewater issues.

EPA Activities: Region 4:

Will issue their first Situation Report on 9/7.

Drinking Water / Wastewater Assessments:

As of 8 AM this morning 245,704 PRASA service connections are without drinking water. Each service connection serves 3 people (estimate). PRASA serves 96% of the PR population (3,411,00 in 2016). We estimate 737,112 people without drinking water from PRASA.

Mayra Encarnacion with PRASA will contact EPA at the REOC on 9/9/17 with information on any PRASA needs and priorities. PRASA has asked PRDOH for assistance in the inspection and certification of water filling stations and water delivery trucks and will let EPA EROC know if anything else is needed. PRASA systems not in operation are mainly due to power issues, sediments in the intake and high turbidity levels.

NonPRASA Systems.

One Non-PRASA System, La Cuchilla, contacted PRDOH requesting an emergency generator. EPA will continue to assist PRDOH in contacting the Non-PRASA systems. PRDOH has requested EPA to prioritize by population, and to focus on groundwater systems. Non-PRASA communities in need usually contact their Municipalities for assistance.

REOC PR Drinking Water Priorities:

The Water Desk is working with PRDOH and PRASA to prioritize federal assistance for drinking water facilities, and essential parts of the drinking water distribution system, for repair as follows.

<u>System ID</u>	<u>Name</u>	<u>Population Served</u>	<u>Status</u>
PR0666056	La Cuchilla	400	No power Need a generator
PR0523105	Acueducto Dona Elena	1016	Needs to be assessed
PR0604046	Mulitas Centro	1000	Needs to be assessed
PR0613046	Turabo Arriba	1200	Needs to be assessed
PR0613366	Acueducto La Sierra	2100	Needs to be assessed
PR0677016	Acueducto RuralTejas	2460	Needs to be assessed
PR0677146	Calabazas Arriba	1800	Needs to be assessed

PRDOH Public Water Supply (PWS) Program:

Central Office is closed on Tuesday, September 5th and is expected to reopen on Monday September 11. Central office has power, water, phone and internet services. There is no information on the status of the regional offices. Due to the upcoming storm (Jose), the PWS Program is not planning to engage in field

activities over the weekend.

PRASA:

PRASA continues to update their drinking water information 3 times a day. The only assistance PRASA requested from PRDOH is in the certification of water delivery trucks. Eleven new flexi tanks for water delivery were inspected on September 7., 2017. In addition, as list of water filling stations has been posted on PRASA's website <http://www.acueductospr.com/comunicados/default?docid=78E2496DDEA37F2A0425819400724EB8>.

[AAA ANUNCIA LISTA DE OASIS ANTE EL PASO DEL HURACAN IRMA - Acueductospr.com](http://www.acueductospr.com)

www.acueductospr.com

[Acueductospr.com](http://www.acueductospr.com), el sitio oficial de la Autoridad de Acueductos y Alcantarillados Gobierno de Puerto Rico. Tu "Autoridad" a tu alcance, en cualquier momento y lugar, maneja tu cuenta de servicio de agua, tu Oficina VIRTUAL y mucho más.

PRASA continues daily sampling at water filling station (chlorine residual concentration and total coliform/E.coli). There are no reports of positive bacteriological samples.

Public Notice to Boil Water:

PRDOH has issued a Notice to boil the water for all of PR, by radio and newspaper. Information includes steps consumers can take before, during and after the event. EPA has requested copies of the public notice. In addition, PRASA also provided information on what to do before, during and after an emergency at their website:

<http://www.acueductospr.com/TEMPORADA2017/index.html>



[Temporada de Huracanes 2017 - Acueductospr.com](http://www.acueductospr.com)

www.acueductospr.com

[Acueductospr.com](http://www.acueductospr.com), el sitio oficial de la Autoridad de Acueductos y Alcantarillados (AAA) del Estado

Drinking water filtration system for Corozal Battery, Muni. Corozal is not operational due to power outage. Condition of DW well and well-heads are unknown at this time. The Region 2 OSC is looking at options to restore pumping DW through activated carbon filtration system.

EPA does not have information about water systems in USVI

This map shows the maximum possible storm surge in South Florida for a Category 3 Hurricane.